# BRUHATH BENGALURU MAHANAGARA PALIKE

**Name of Work :- Improvements To Roads And Drains At Akshya Nagara and Surrounding Area In Ward No.03**

**Code:003-21-000041** **Estimated Cost:** **75.00** **Lakhs**

| No | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB 300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **(Page No. 142/ Item No. 19.1/ PWD SR 2018-19)** | | | | | | | | |
| | **Attur, Akshya Nagara and Surrounding Area** | | | | | | | | |
| | **For RCC Drain** | | | | | | | | |
| | 1st Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 1.00 | 143.00 | | | |
| | 2nd Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 1.00 | 143.00 | | | |
| | 3rd Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 1.00 | 143.00 | | | |
| | 4th Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 1.00 | 143.00 | | | |
| | 5th Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 1.00 | 143.00 | | | |
| | 6th Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 1.00 | 143.00 | | | |
| | 7th Cross from Akshya Nagara Main Road | 2 | 65.40 | 1.10 | 1.00 | 143.88 | | | |
| | | | | | | **1001.88** | **Cum** | **207.60** | **207990.29** |
| | Basic Rate | 130.00 | | | | | | | |
| | Loading and Unloading | 57.00 | | | | | | | |
| | Lead For Earth 5km | 12.80 | | | | | | | |
| | Area Weightage 6% | 7.80 | | | | | | | |
| | **Grand Total** | **207.60** | | | | | | | |
| 2 | KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications **(P.No-222 I.No-27.18 PWD SR 2018-19)** | | | | | | | | |
| | **Attur, Akshya Nagara and Surrounding Area** | | | | | | | | |
| | **For RCC Drain** | | | | | | | | |
| | 1st Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 0.15 | 21.45 | | | |
| | 2nd Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 0.15 | 21.45 | | | |
| | 3rd Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 0.15 | 21.45 | | | |
| | 4th Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 0.15 | 21.45 | | | |
| | 5th Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 0.15 | 21.45 | | | |
| | 6th Cross from Akshya Nagara Main Road | 2 | 65.00 | 1.10 | 0.15 | 21.45 | | | |
| | 7th Cross from Akshya Nagara Main Road | 2 | 65.40 | 1.10 | 0.15 | 21.58 | | | |
| | | | | | | **150.28** | **Cum** | **5509.33** | **827952.63** |
| | Basic Rate | 5115.00 | | | | | | | |
| | Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123 | -1079.39 | Note:- (220*490.63/100)= -1079.39 | | | | | | |
| | Add Cement cost as per Issue rate | 1161.86 | Note:- (220*264.06/50)= + 1161.86 | | | | | | |
| | **Sub Total** | **5197.48** | | | | | | | |
| | Area Weightage 6% | 311.85 | | | | | | | |
| | **Grand Total** | **5509.33** | | | | | | | |

| | Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm ( I No-37.59.2,P No-271 PWD SR 2018-19) | | | | | | | | |
| | **Attur, Akshya Nagara and Surrounding Area** | | | | | | | | |
| | **For RCC Bottom Raft** | | | | | | | | |
| | **For RCC Drain** | | | | | | | | |
| | 1st Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | 0.15 | 17.55 | | | |
| | 2nd Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | 0.15 | 17.55 | | | |
| | 3rd Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | 0.15 | 17.55 | | | |
| | 4th Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | 0.15 | 17.55 | | | |
| | 5th Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | 0.15 | 17.55 | | | |
| | 6th Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | 0.15 | 17.55 | | | |
| | 7th Cross from Akshya Nagara Main Road | 2 | 65.40 | 0.90 | 0.15 | 17.66 | | | |
| | **For RCC Wall** | | | | | | | | |
| | **For RCC Drain** | | | | | | | | |
| | 1st Cross from Akshya Nagara Main Road | 4 | 65.00 | 0.15 | 0.75 | 29.25 | | | |
| | 2nd Cross from Akshya Nagara Main Road | 4 | 65.00 | 0.15 | 0.75 | 29.25 | | | |
| | 3rd Cross from Akshya Nagara Main Road | 4 | 65.00 | 0.15 | 0.75 | 29.25 | | | |
| | 4th Cross from Akshya Nagara Main Road | 4 | 65.00 | 0.15 | 0.75 | 29.25 | | | |
| | 5th Cross from Akshya Nagara Main Road | 4 | 65.00 | 0.15 | 0.75 | 29.25 | | | |
| | 6th Cross from Akshya Nagara Main Road | 4 | 65.00 | 0.15 | 0.75 | 29.25 | | | |
| | 7th Cross from Akshya Nagara Main Road | 4 | 65.40 | 0.15 | 0.75 | 29.43 | | | |
| | | | | | | **327.89** | **Cum** | **7189.42** | **2357323.95** |
| | Basic Rate | 6670.00 | | | | | | | |
| | Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123 | -1471.89 | Note:- (300*490.63/100)= -1471.89 | | | | | | |
| | Add Cement cost as per Issue rate | 1584.36 | Note:- (300*264.06/50)= + 1584.36 | | | | | | |
| | **Sub Total** | **6782.47** | | | | | | | |
| | Area Weightage 6% | 406.95 | | | | | | | |
| | **Grand Total** | **7189.42** | | | | | | | |
| 4 | KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 (I No-28.8.2, P No-229 PWD SR 2018-19) | | | | | | | | |
| | Consider 65kg/Cum for drain | 1 | 327.89 | 65.00 | | 21312.72 | | | |
| | | | | | | **21.31** | **Tonne** | **65046.90** | **1386326.37** |
| | Current Rate W.e.f 01.07.2020 | | | | | | | | |
| | Issued Rate | 61365.00 | | | | | | | |
| | Area Weightage 6% | 3681.90 | | | | | | | |
| | **Data Rate** | **65046.90** | | | | | | | |
| 5 | Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift, transportation etc ,copmplete.**(Data Rate)** | | | | | | | | |
| | **Attur, Akshya Nagara and Surrounding Area** | | | | | | | | |

| Description of Items | No | Length | Width | Depth | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|
| New Precast Slab For RCC Drain | | | | | | | | |
| 1st Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | | 117.00 | | | |
| 2nd Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | | 117.00 | | | |
| 3rd Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | | 117.00 | | | |
| 4th Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | | 117.00 | | | |
| 5th Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | | 117.00 | | | |
| 6th Cross from Akshya Nagara Main Road | 2 | 65.00 | 0.90 | | 117.00 | | | |
| 7th Cross from Akshya Nagara Main Road | 2 | 65.40 | 0.90 | | 117.72 | | | |
| | | | | | **819.72** | **Sqm** | **2337.00** | **1915685.64** |
| **Data Rate** | **2337.00** | | | | | | | |
| | | | | | | | **Total Construction Cost** | **6695278.88** |
| | | | | | | | **GST Charges 12%** | **803433.47** |
| | | | | | | | **Sub Total** | **7498712.35** |
| | | | | | | | **Utility Shifting,Miscellaneous and Rounding off** | **1287.65** |
| | | | | | | | **GRAND TOTAL** | **7500000.00** |
| **Rupees Fifty Eight Lakh(s) Only** | | | | | | | | |

**Certificate**

1) This Work Comes Within BBMP Limits.
2) Certified that personaly Inspected the Work Spot.
3) Certified that the Estimate is Prepared Based on CSR of PWD Bangalore Circle 2018-19 & issued rate Dated. 01/07/2020
4) Estimate is Prepared Making Use of essential itemof work as per site conditions in safest way of Execution in most economical way
5) This work is not include in any other program of work.

Assistant Engineer
Ward No.03

Asst. Executive Engineer,
Yelahanka Satellite Town Sub division,

Executive Engineer,
Yelahanka Division

Administrative Sanction for Rs. 75.00
Seventy Five Lakhs only
is accorded under head P-3075 Spl. Comprehensive development works 2020-21
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. EE/YNK.D/ADS/53/2020-21 Dt 17.11.2020

Executive Engineer

Technically sanctioned for Rs. 75,00,000/-
Rs in Words SEVENTY FIVE LAKHS ONLY
Under P-3075
Job Code No. 003-21-00041
Registered as SE(Y)/TS/ HH / 20-21
to conditions contained in enclosed memo
No HH / 20-21 Dated: 26/11/2020

26/11/2020

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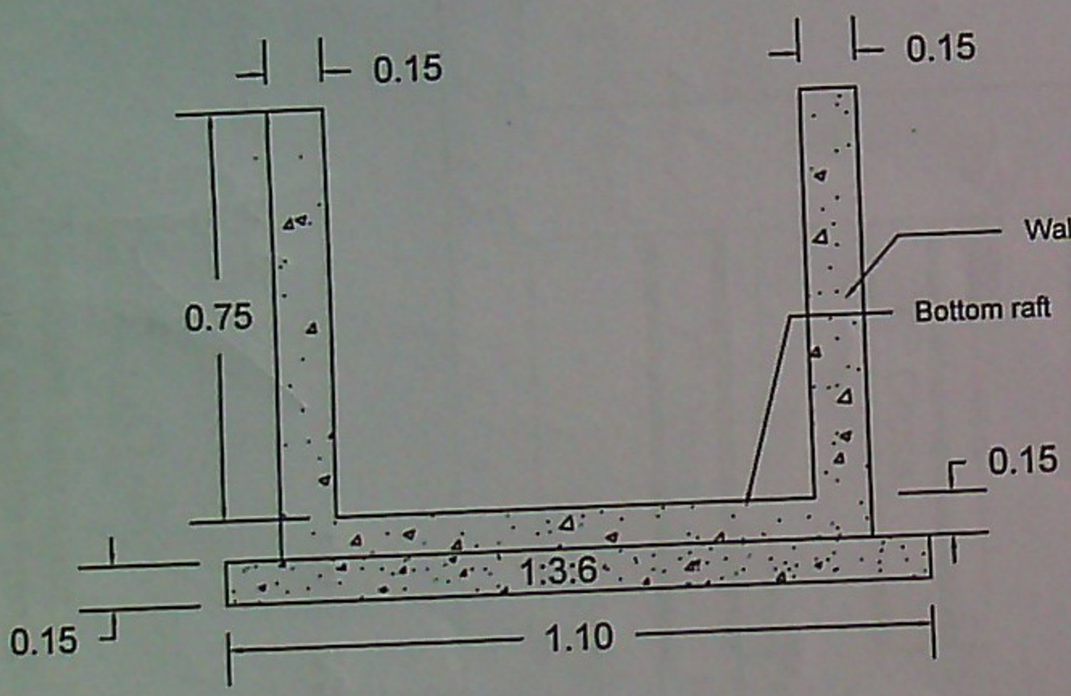
**Name of Work:-**Improvements To Roads And Drains At Akshya Nagara and Surrounding Area In Ward No.03

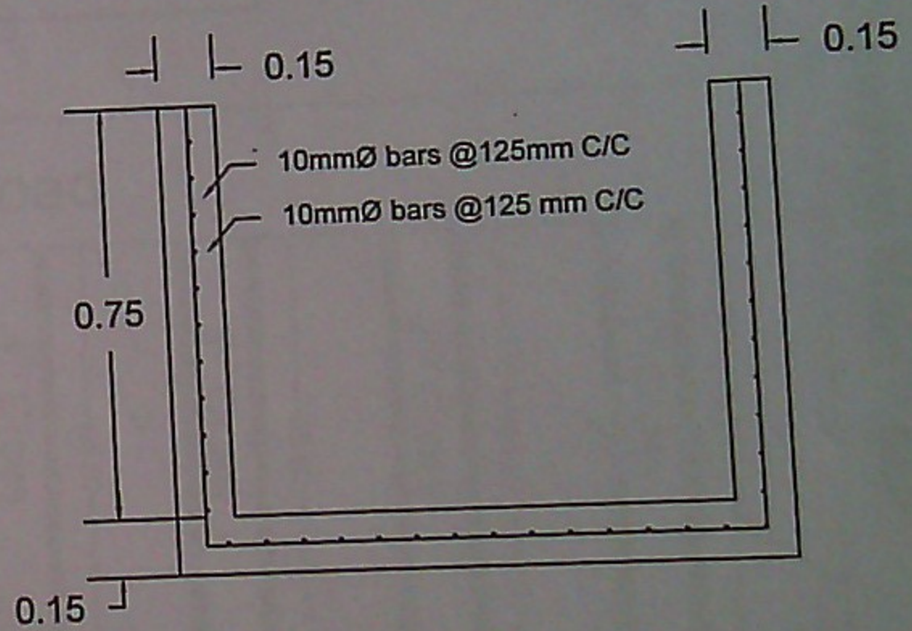
## RCC DRAIN




Cross Section

Asst. Engineer
Ward No.03

## RCC DRAIN

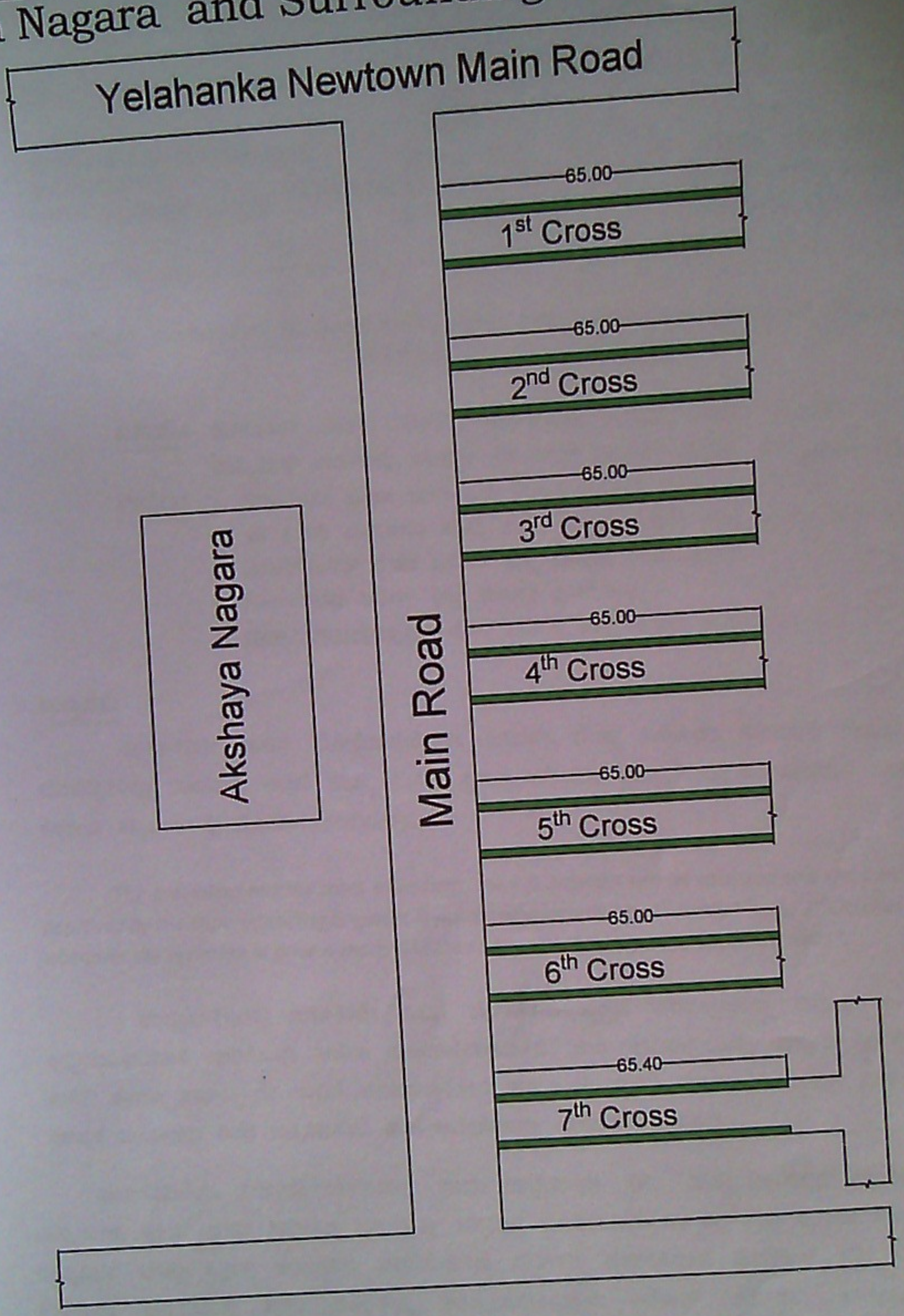



Cross Section

Asst. Executive Engineer
Yelahanka Sub Division

All Dimensions in Meters

**me of Work:-** Improvements To Roads And Drains At
shya Nagara and Surrounding Area In Ward No.03




**Index:-**

RCC Drain

Culvert

Assistant Engineer
Ward No.03

Assistant Executive Engineer
Yalahanka satellite town Sub division

All Dimensions are in Meters